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REVISIONS			
Rev	Description	Date	Chg'd By
A	PRODUCTION RELEASE	01 SEP 2010	ECL
B	Updated Attenuation Spec	17 JAN 2011	ECL
C	Updated Construction and Electrical Req Per G.Lawton	21 MAY 2015	GBA
D	Updated Construction and Electrical Req Per G.Lawton	31 JUL 2015	DED
E	EM2 ECO - 7166 M.Hanna	16 MAY 2016	DED
F	EM2 ECO - 7384 M. Frantz	02 MAR 2017	TKG
G	EM2 ECO - 8250 T.Sharp	21 JUN 2018	TKG

CONSTRUCTION:

- A. SHIELDED TWISTED PAIRS (4 PLACES)
 - CONDUCTOR: AWG 24(19 / 36) SPAL (2 PLACES)
 - INSULATION: ePTFE OVER PTFE (2 PLACES)
 - OUTSIDE DIAMETER: PTFE 0.040 MAX
 - COLORS: WH / BN x BN, WH / OR x OR,
WH / BU x BU, WH / GN x GN
 - PAIR OVERALL SHIELD: ALUMINIZED KAPTON (ALUMINUM OUT)
- B. OVERALL SHIELD: AWG 40(1) SPC BRAID 92% MINIMUM COVERAGE
- C. OVERALL JACKET: (0.004) WALL WHITE LASER MARKABLE EF100
- D. FILLER: FEP / ePTFE

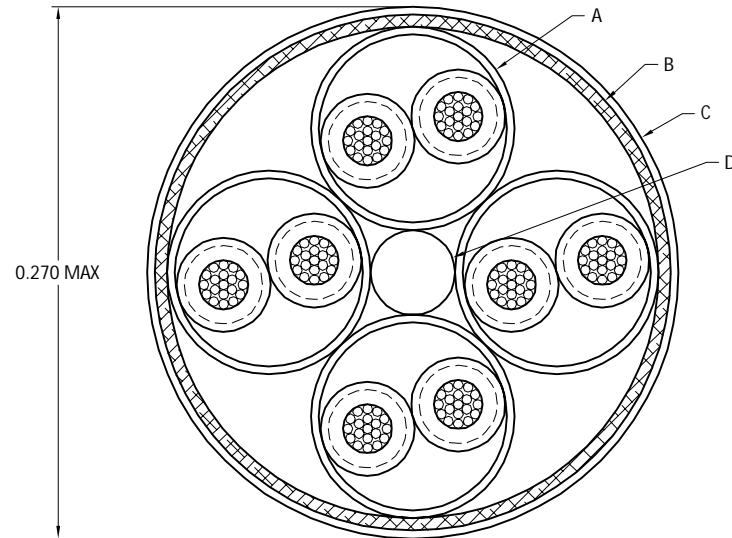
ELECTRICAL REQUIREMENTS:

- 1. IMPEDANCE: $100 \pm 10 \Omega$
- 2. OPERATING VOLTAGE: 150 V_{RMS}
- 3. MAXIMUM ATTENUATION: 5.9 dB / 80 METERS @ 10 MHz
19.1 dB / 80 METERS @ 100 MHz
27.6 dB / 80 METERS @ 200 MHz
31.1 dB / 80 METERS @ 250 MHz
45.3 dB / 80 METERS @ 500 MHz

- NEXT (MAXIMUM): 74.3 dB @ 1 MHz
59.2 dB @ 10 MHz
52.3 dB @ 100 MHz
47.9 dB @ 250 MHz
42.2 dB @ 500 MHz

NOTES:

- 1. OPERATING TEMPERATURE: -65° C TO +200° C
- 2. WEIGHT: (67) Kg / Km [(45) LBS / 1000 FT]
- 3. LASER MARK GORE PN, CAGE CODE, AND "W.L. GORE AND ASSOCIATES"
- 4. OUTSIDE DIAMETER MEASUREMENT IS THE AVERAGE OF X AND Y AXES.
- 5. THIS CABLE MEETS TIA568C.2 CATEGORY 6A REQUIREMENT UP TO 80 METERS



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PARENTHESES DENOTE REFERENCE DIMENSIONS DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING DEBURR SHARP EDGES Third Angle Projection INTERSECT DRAWING ACCORDING WITH ASME Y14.5M-1994 (R1999)		W. L. GORE & ASSOCIATES, INC. (Gore) Performance Solutions Division 380 Starr Road, Landenberg, PA 19250 610/268-1000 © 2010, 2018 W. L. Gore & Associates, Inc. By acceptance of this document you agree that all rights to drawings, specifications, processes and other data contained therein, as well as the proprietary and novel features of the subject matter, are reserved by Gore and any disclosed conditions. They are not to be manufactured, used, sold or disclosed to others, nor are devices embodying such features or information derived from these disclosures to be used or disclosed, unless and until expressly authorized by Gore. These drawings, specifications, processes, etc., are and remain the property of Gore and are not to be copied or reproduced without express permission, and are to be returned upon request thereof.
Title: AWG 2419 AEROSPACE CAT6a CABLE FOR I.D.C.		Drawing Number: RCN8966 - 24
Dwg Size: B Sheet: 1 of 1 Scale: 16:1 Associated Documents: N/A Rev Date: 21 JUN 2018	Drawn: ECL 27 JAN 2010	Rev Level: G